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- (71) Applicant (for all designated States except US): GENE LOGIC, INC. [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): DIGGANS, James, C. [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US). ELASHOFF, Michael [US/US]; 610 Professional Drive, Gaithersburg, MD 20879 (US).
- (74) Agents: TUSCAN, Michael, S. et al.; Morgan, Lewis & Bockius LLP, 1111 Pennsylvania Avenue, NW, Washington, DC 20004 (US).

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(54) Title: METHODS FOR MOLECULAR TOXICOLOGY MODELING

(57) Abstract: The present invention is based on methods of predicting toxicity of test agents and methods of generating toxicity prediction models using algorithms for analyzing quantitative gene expression information. The invention also includes computer systems comprising the toxicity prediction models, as well as methods of using the computer systems by remote users for determining the toxicity of test agents.